

ABSTRACT OF THE DISCLOSURE

The invention relates to a magnetic unit having a plurality of groups of permanent magnets such as ceramic or ferrous magnets arranged in a side-by-side relationship, each plurality being separated from an adjacent plurality by a magnetically permeable member, such as a malleable steel member or a malleable iron or molded iron member to focus the lines of magnetic flux. Preferably, each of the permanent magnets within a group is also separated by an interleaved sheet of magnetically permeable material. Such a plurality of groups of permanent magnets are secured together to form a channel therebetween in which a supporting member is connected through fastening members to a movable levitated member.